

Recombinant Human HAO1 Protein, His-tagged

Cat. No. HAO1-317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HAO1(Met1-Ile370) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-370 a.a.
Description	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site.
Form	20mM Phosphate buffer, 150mM NaCl, pH 7.2. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	58.6 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
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Concentration	>50 ug/mL as determined by microplate BCA method
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GENE INFORMATION

Gene Name	HAO1 hydroxyacid oxidase (glycolate oxidase) 1 [Homo sapiens]
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Official Symbol	HAO1
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Synonyms	HAO1; hydroxyacid oxidase (glycolate oxidase) 1; GOX1; hydroxyacid oxidase 1; GOX; glycolate oxidase; (S)-2-hydroxy-acid oxidase; HAOX1; MGC142225; MGC142227;
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Gene ID	54363
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mRNA Refseq	NM_017545
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Protein Refseq	NP_060015
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MIM	605023
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UniProt ID	Q9UJM8
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